

Build Your Students' Addition Fact Fluency in 5 Days Using Number Talks

Day 4



The slides contain number talks that were distributed as part of the FREE training Build Your Students' Addition Fact Fluency in 5 Days Using Number Talks. There are 5 different documents that go in order and are meant to build students' understanding of the Make 10 addition strategy.

Things to note:

- 1) You have to make a copy of these to be able to adapt them. Go up to FILE, then select "Make a Copy" or "Download"
- 2) Even though these are helping to develop the Make 10 strategy, you can adapt and modify the images to fit whichever strategy your students need to work on.
- 3) Students won't develop a solid use of the strategy in 5 days. They will begin to see connections, but to really solidify the strategy it will need to be reinforced throughout the school year.

Hi! I'm Christina

IT'S MY PASSION TO HELP TEACHERS
AND CHILDREN LEARN TO LOVE MATH

Teaching math isn't easy and for a lot of teachers, it isn't fun...like AT ALL!! Especially in this era of education, there is a lot of unknowns about what and how we should be teaching. You are NOT alone.

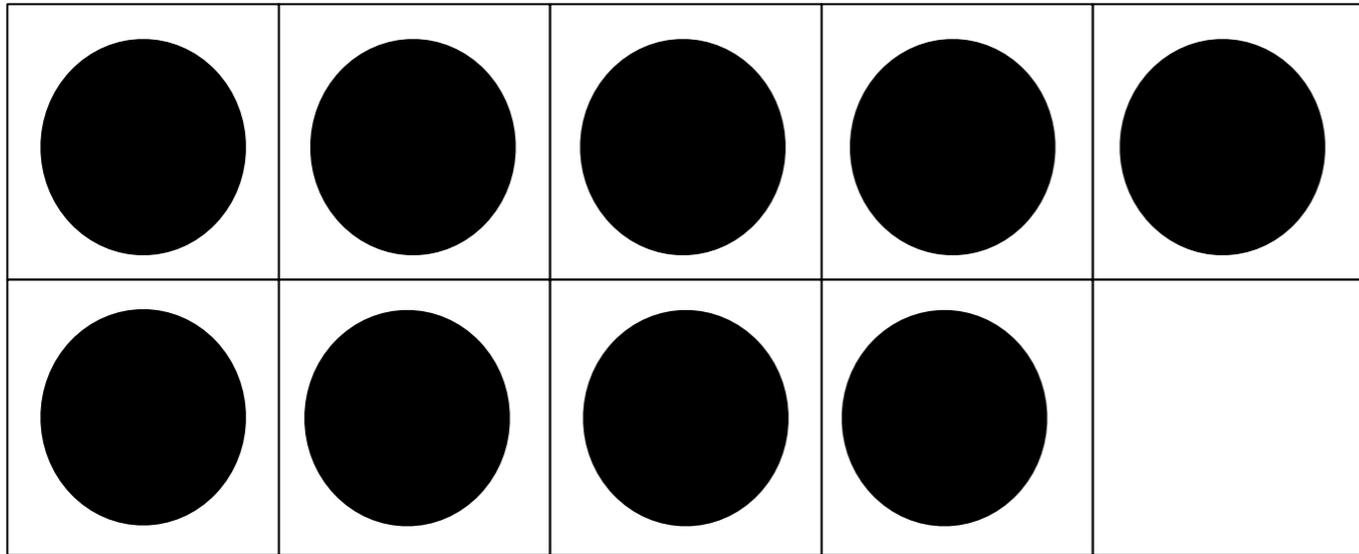
With the implementation of new standards, assessments, and (for some) new curriculum, teachers are feeling bogged down and yet left out on their own to make sense of it all. I'm here to help with that.

I am a former middle school math teacher who learned, and taught, math the traditional way. That was until I realized that many of my students did not learn math the same way I did. So, I embarked on a journey to increase my understanding of mathematics in order to teach it to my students. Now I am a Recovering Traditionalist and a teacher educator who gets the pleasure of helping other teachers learn what I learned about how children think about mathematics.

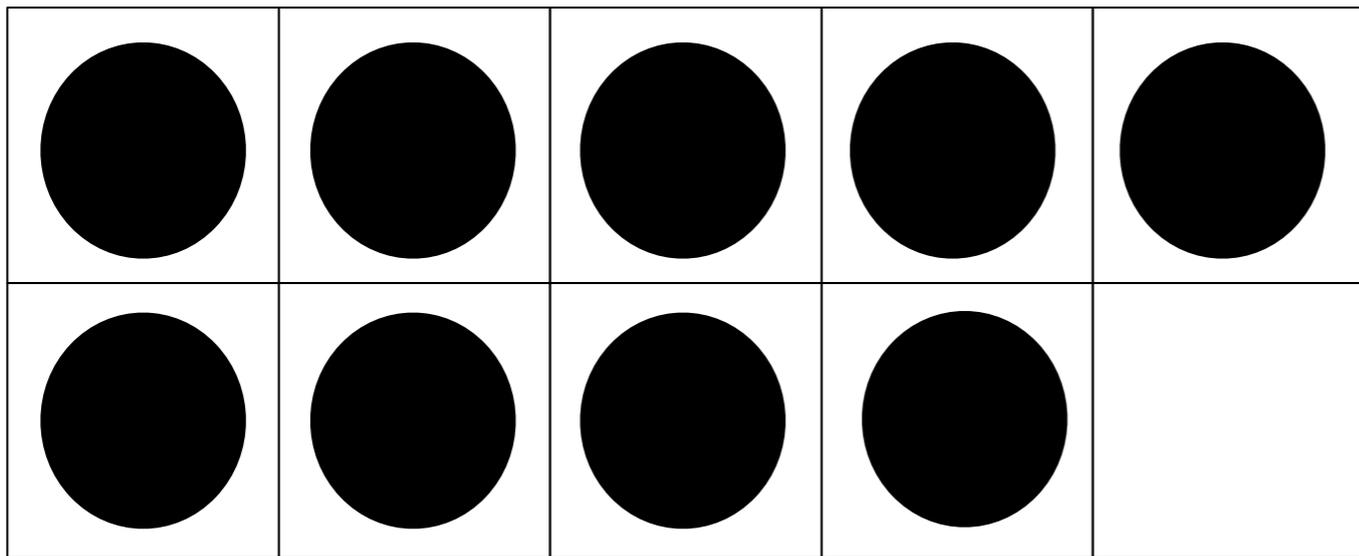
I work with schools and districts to help teachers focus on the math content that is **THE MOST IMPORTANT** and how to weave that into instruction if it isn't already in their curriculum (which most of the time it isn't). **These Number Talk slides were a part of a FREE 5 day training I did all online. If you would like to be notified the next time I do the training go here:**

<https://buildmathminds.com/addition-fact-fluency>

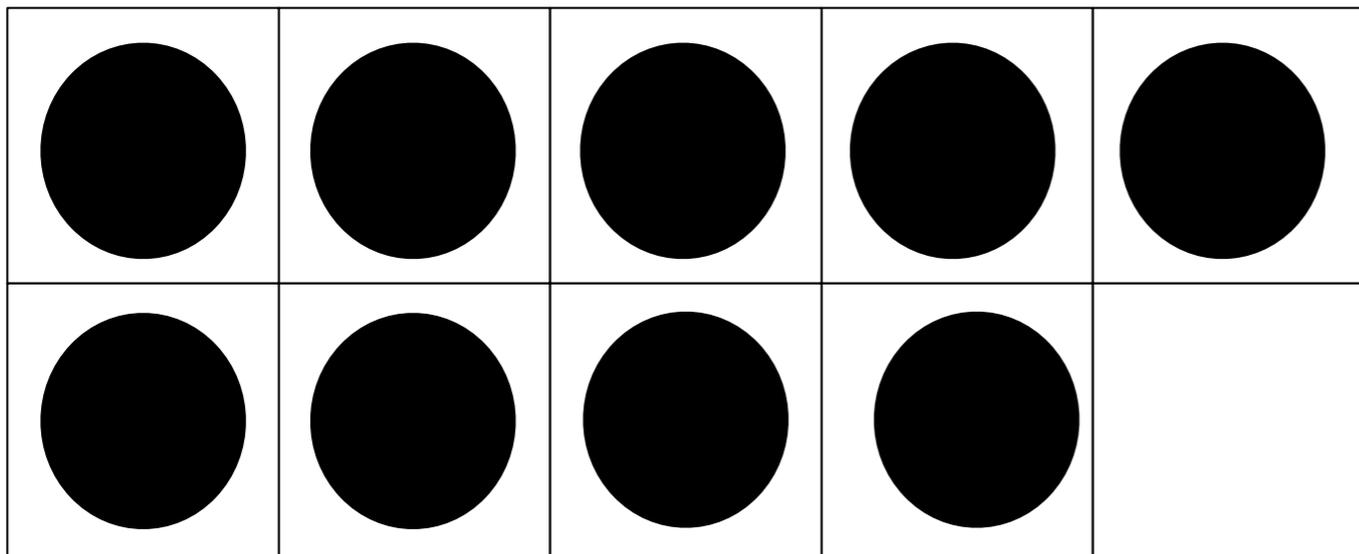




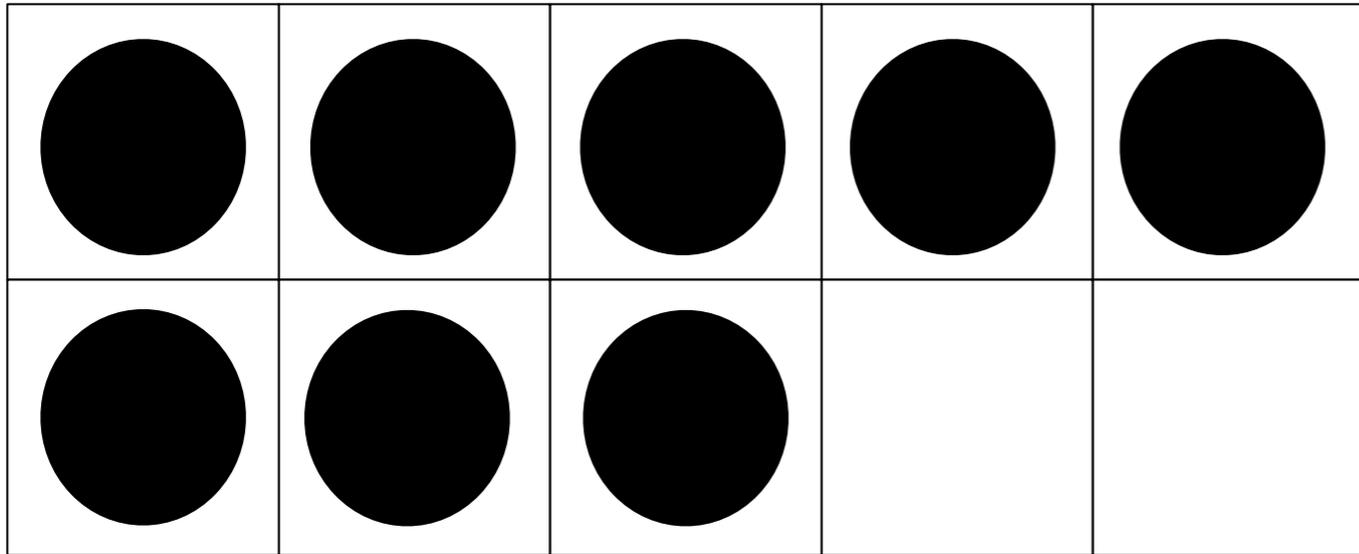
$$+ 4$$



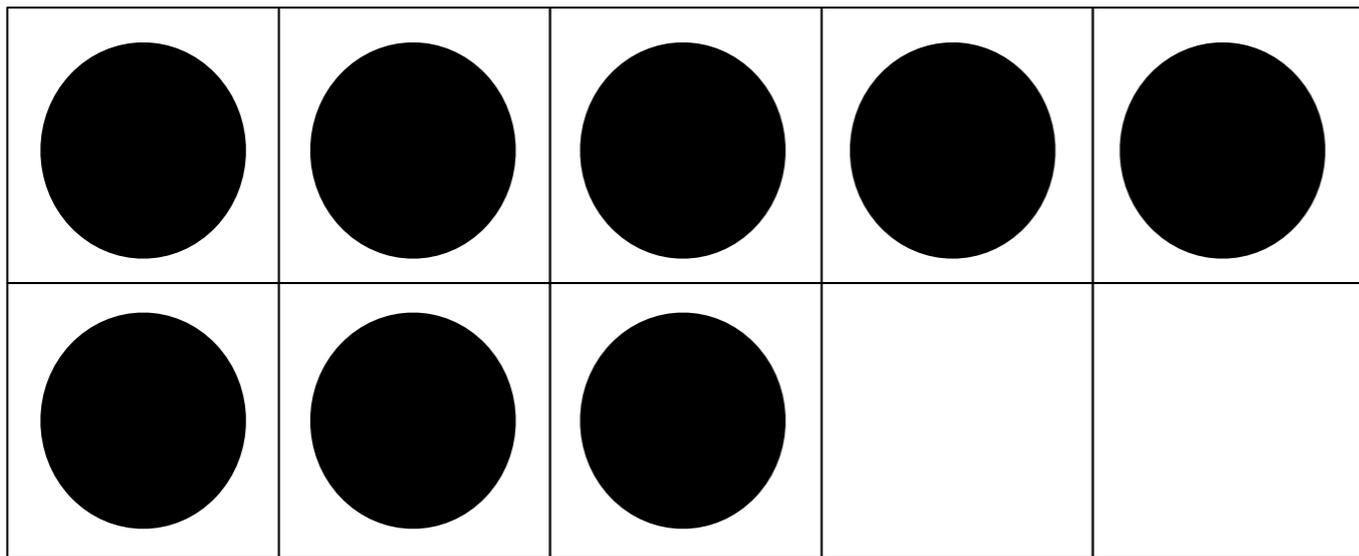
$$+ 3$$



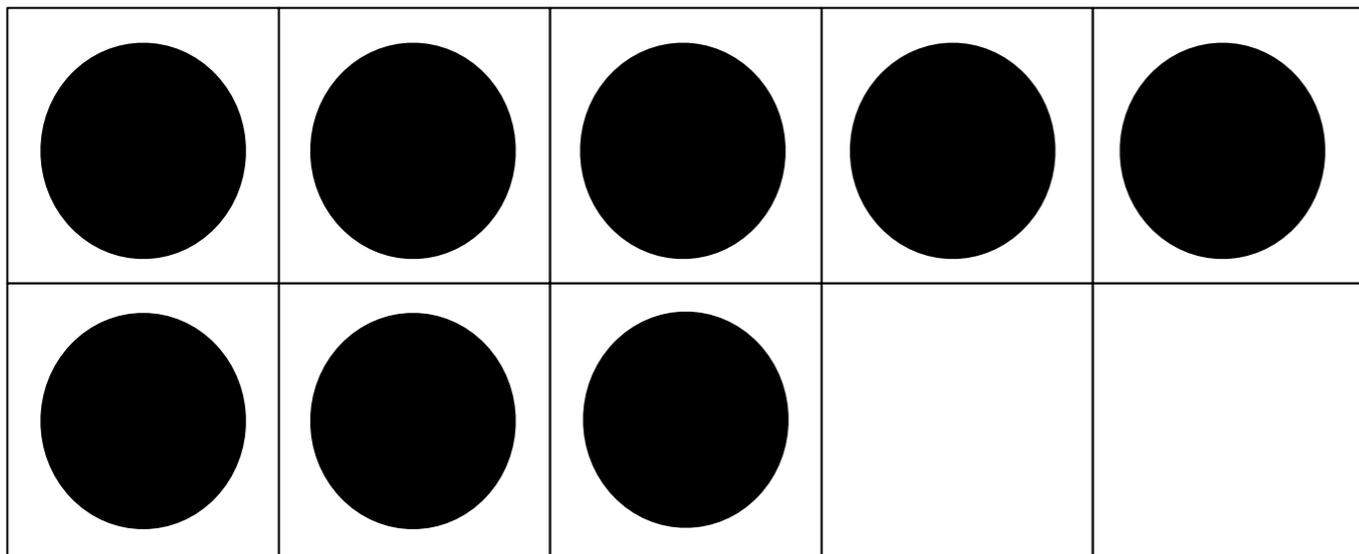
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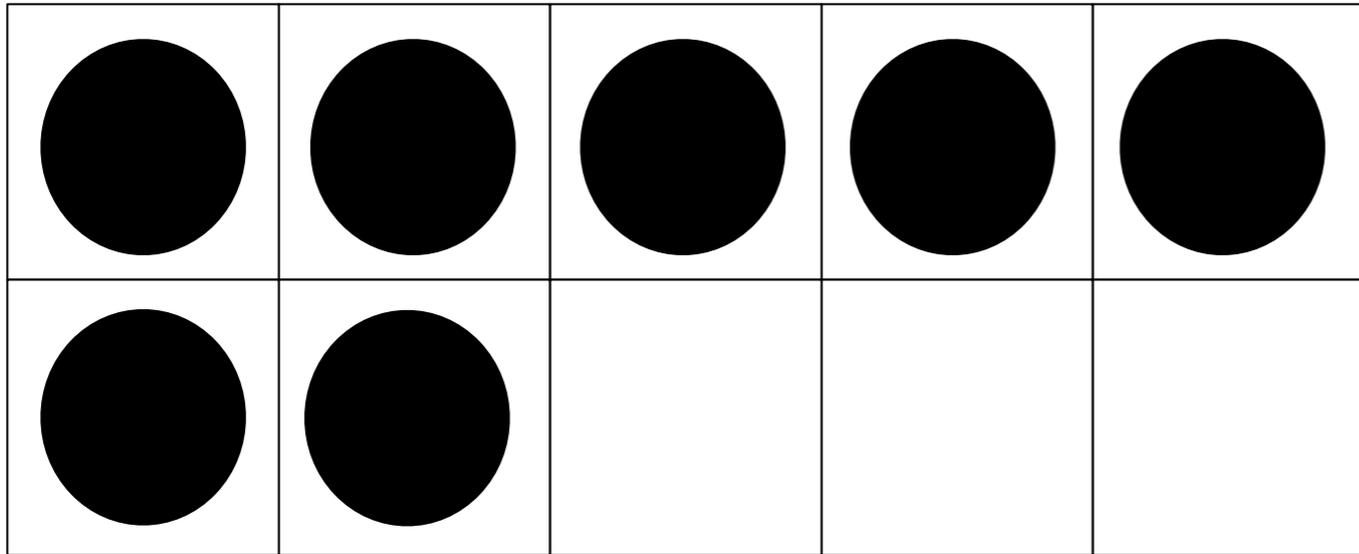
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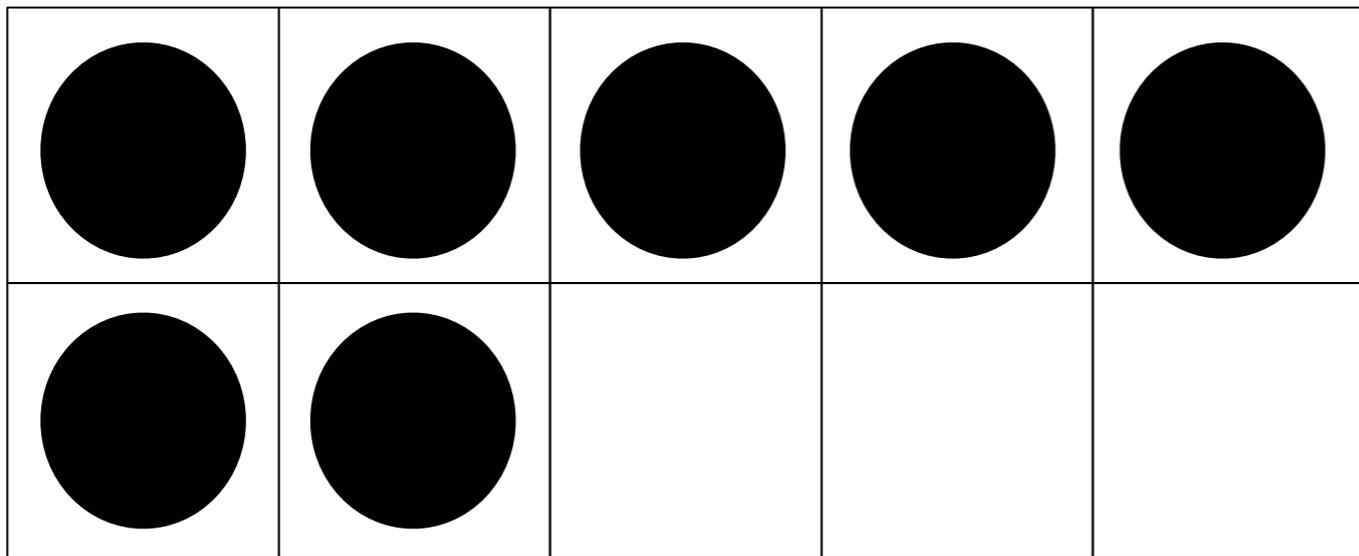
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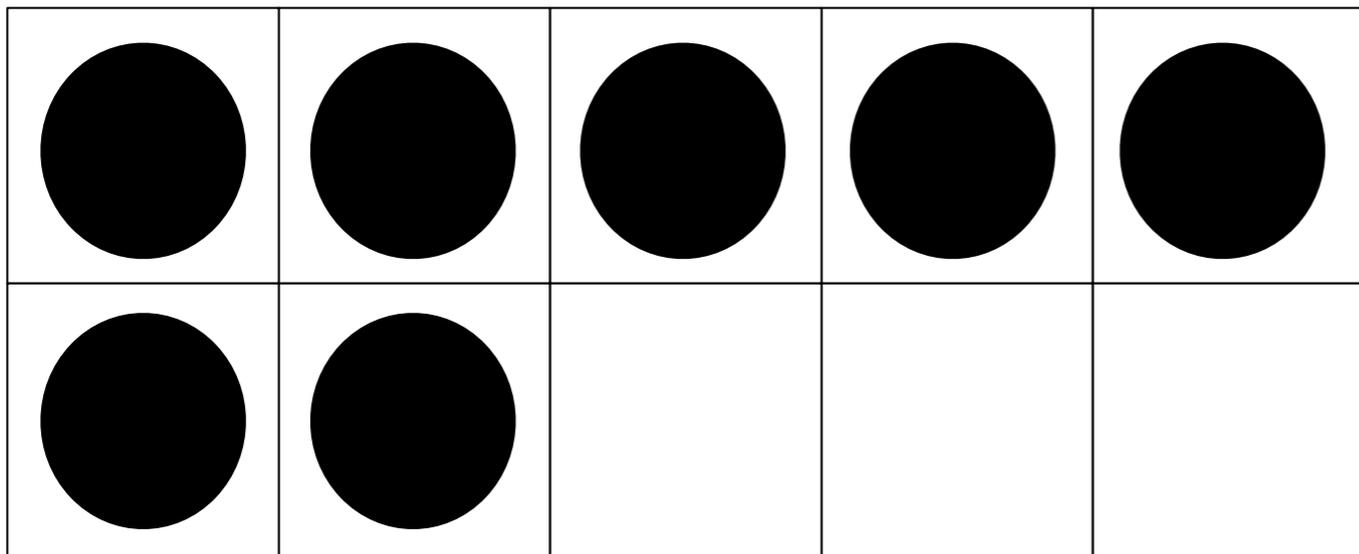
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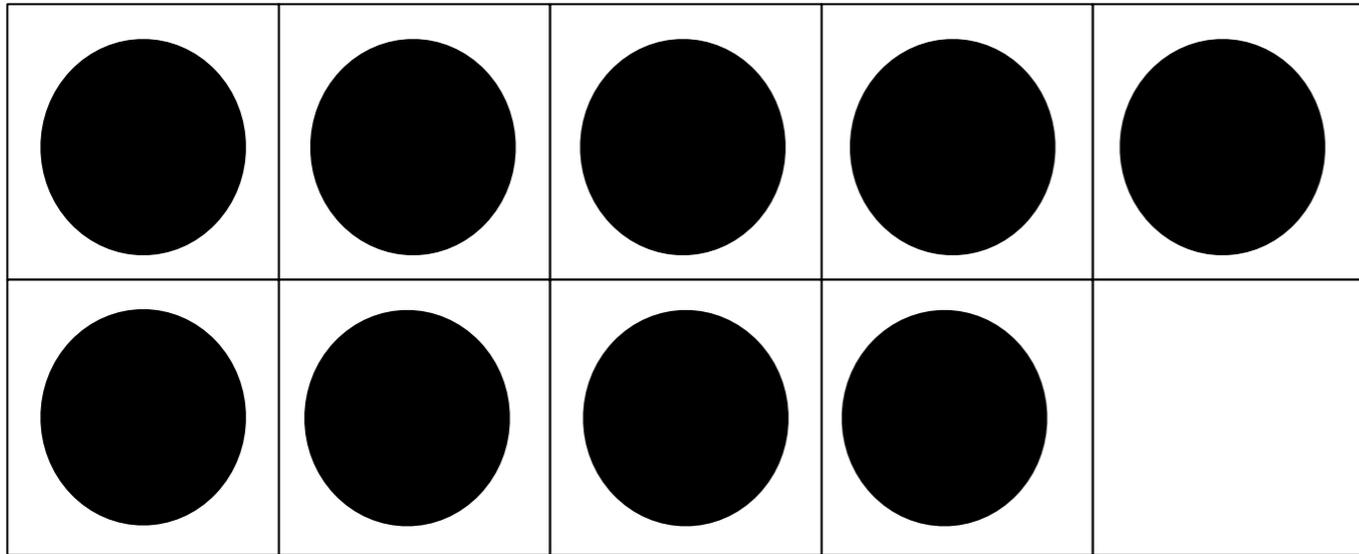
$$+ 4$$



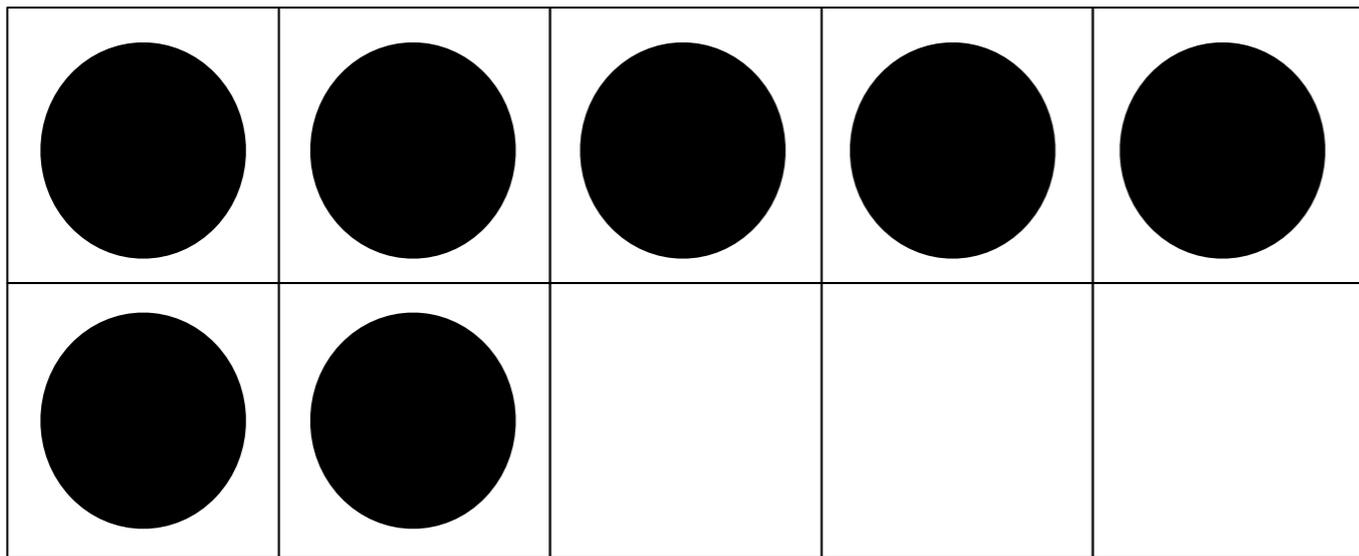
$$+ 6$$



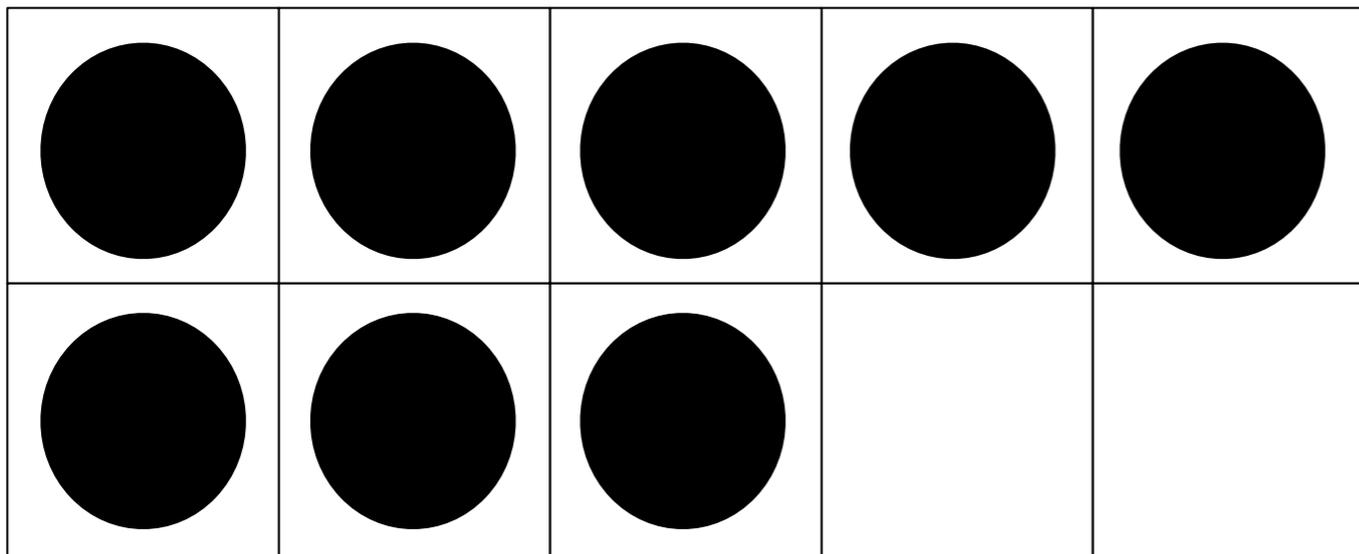
$$+ 5$$



$$+ 4$$

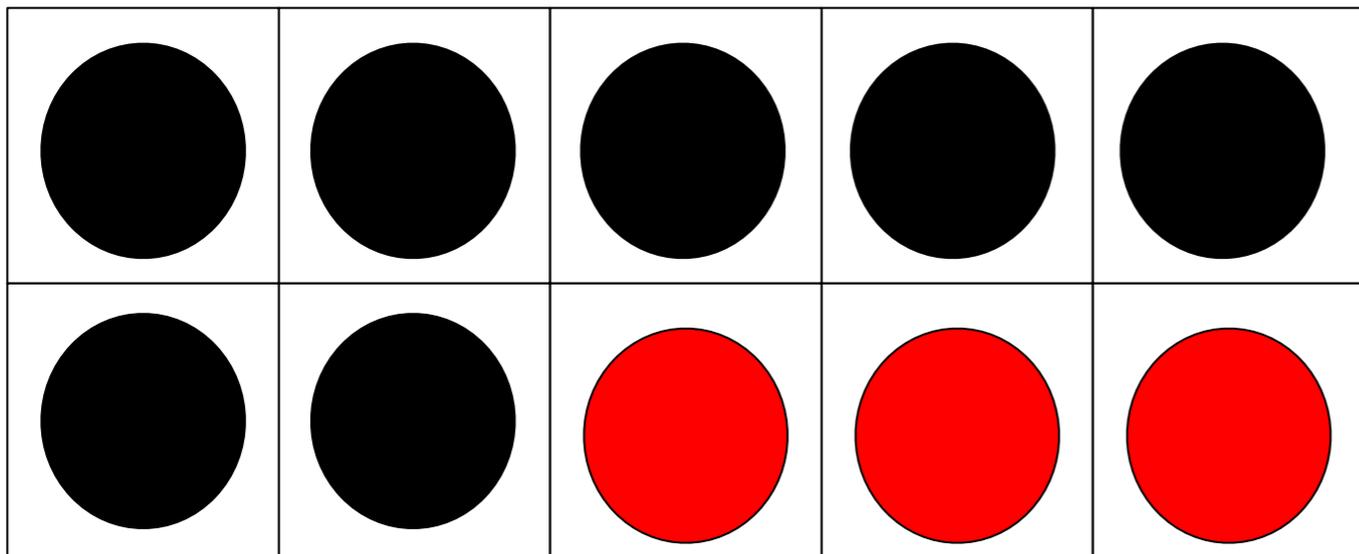
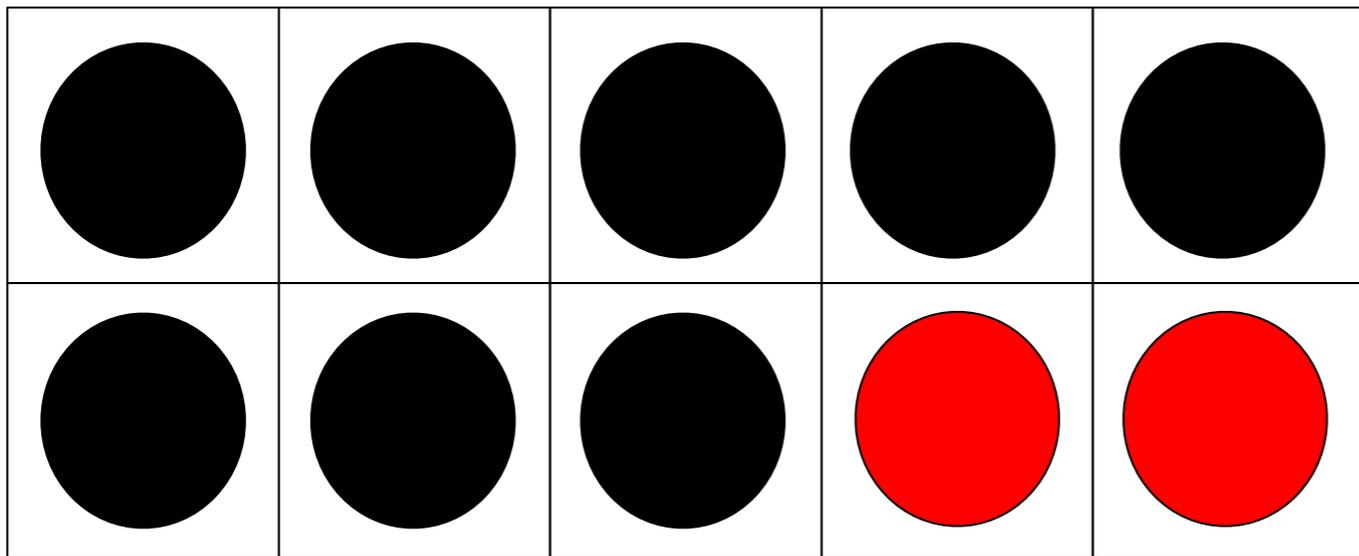
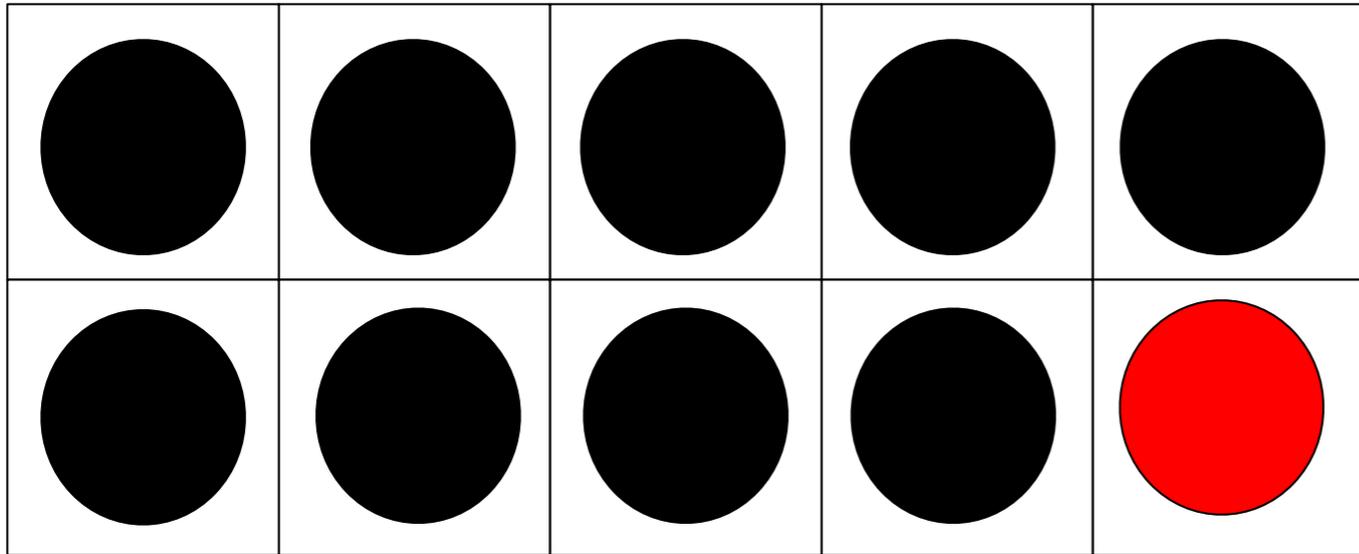


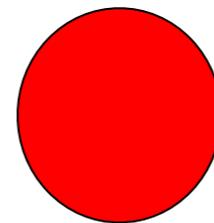
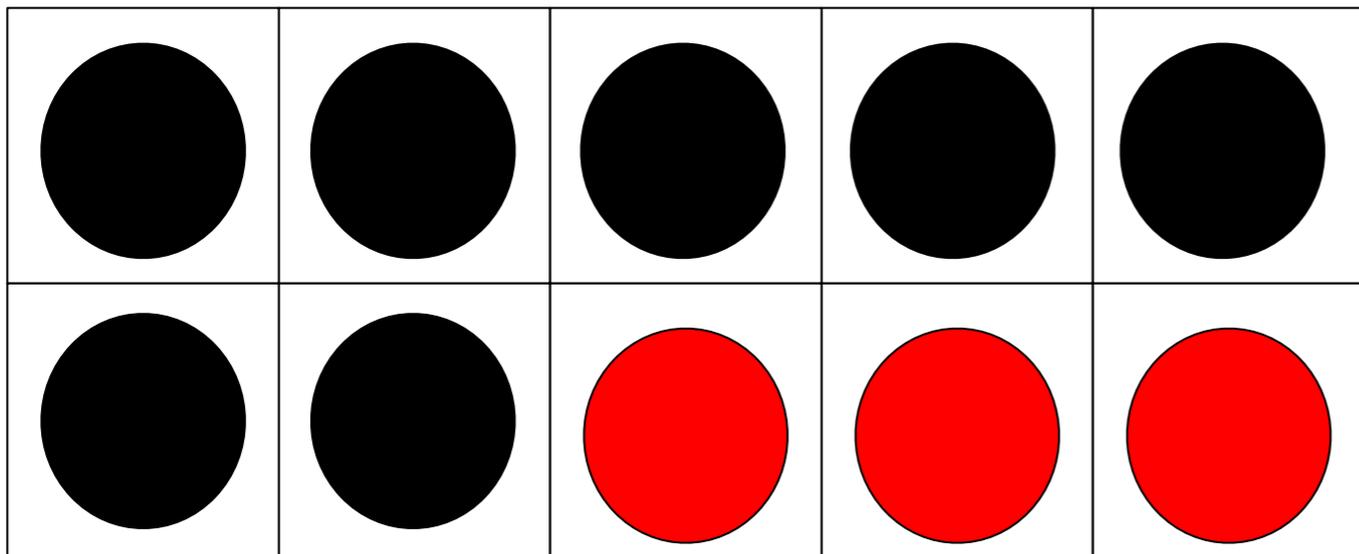
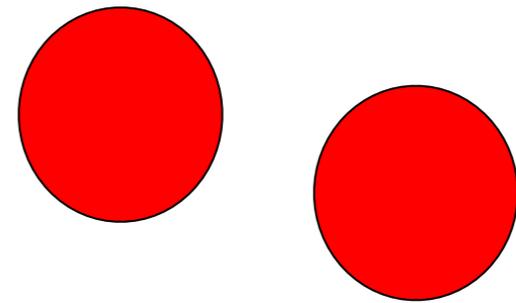
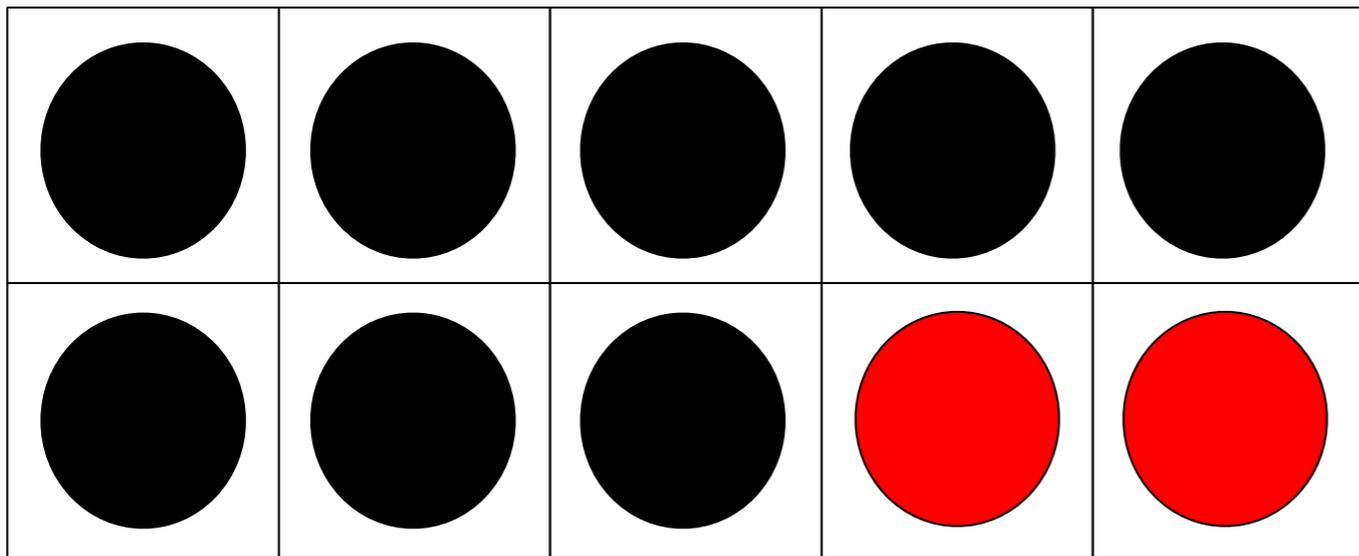
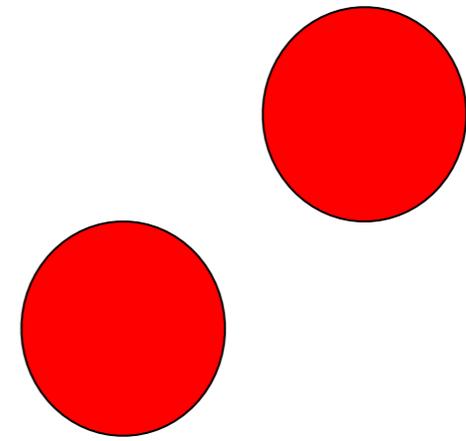
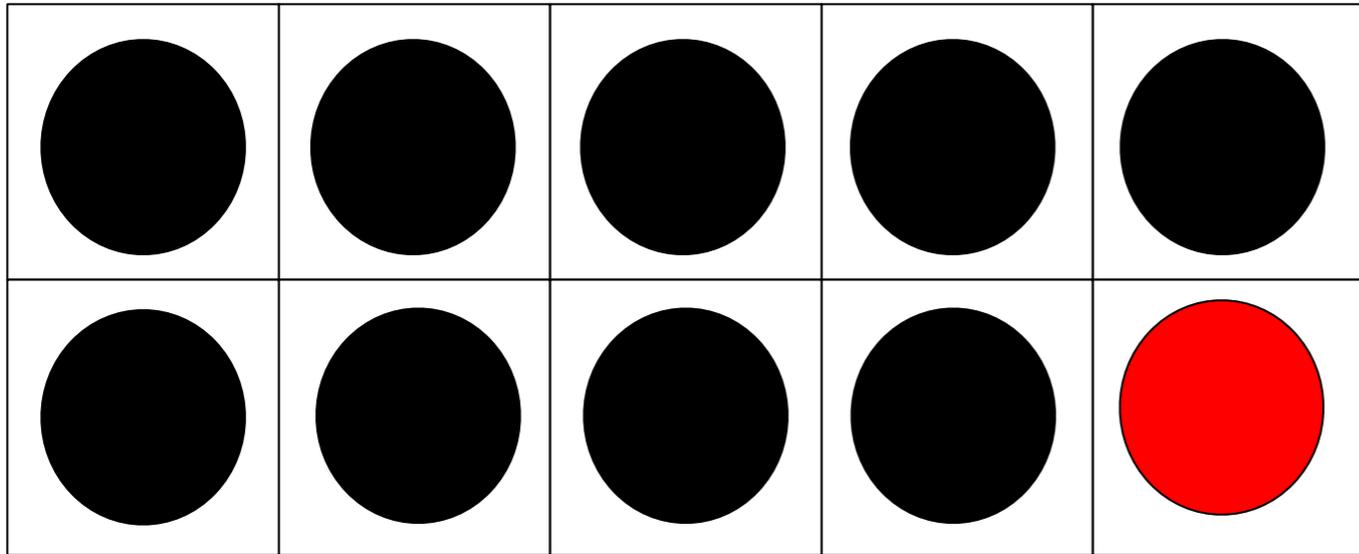
$$+ 5$$

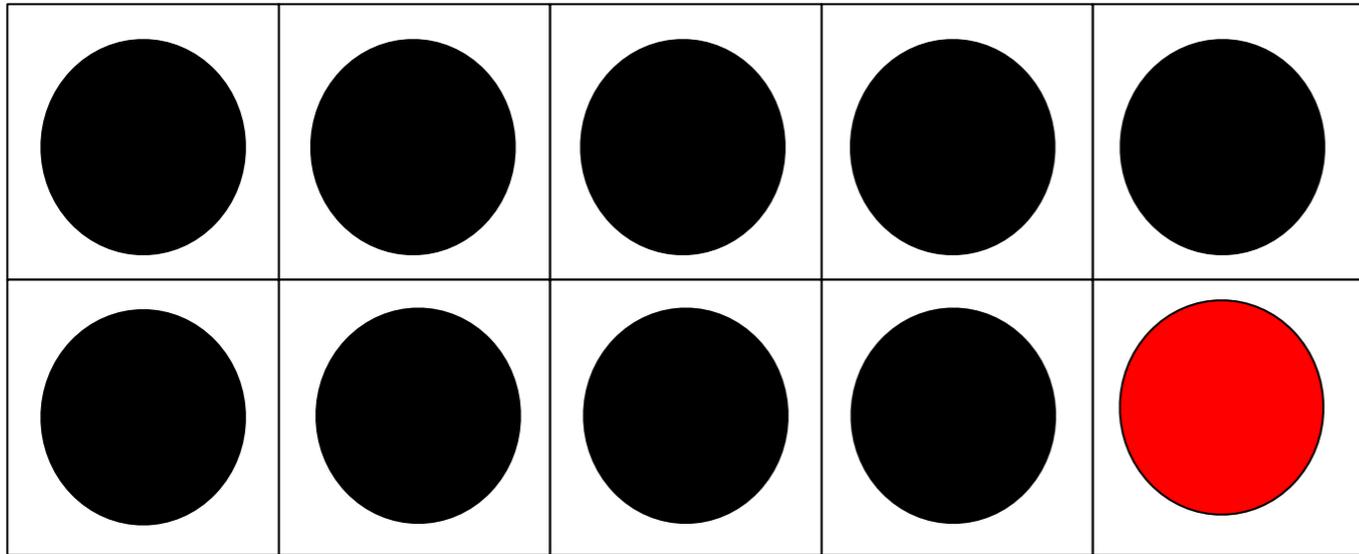


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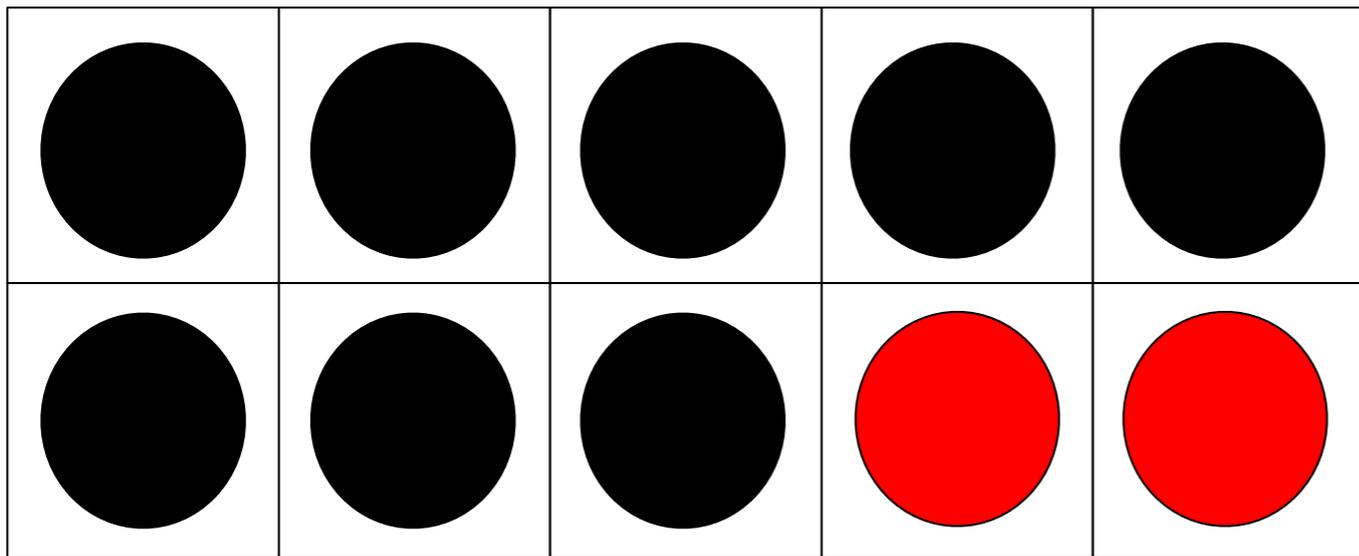
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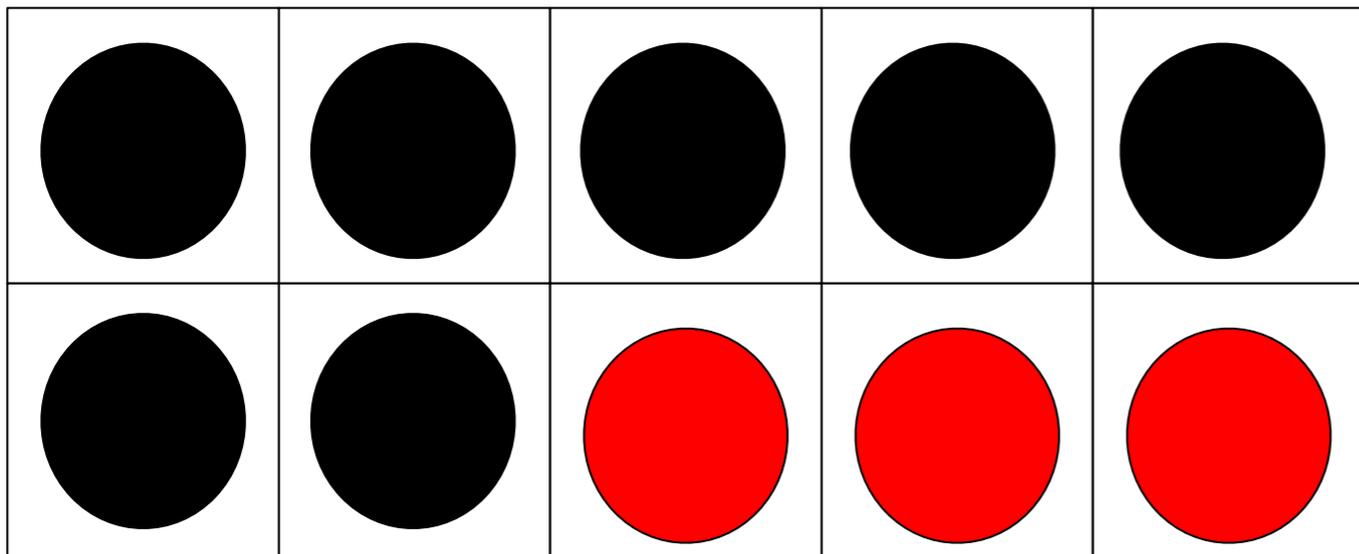




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Slides from the Training Video

C-R-A

Concrete-Representation-Abstract

Kindergarten

3. Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by **using objects** or **drawings**, and record each decomposition by a drawing or **equation** (e.g., $5 = 2 + 3$ and $5 = 4 + 1$).

1st Grade

1. Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using **objects**, **drawings**, and **equations** with a symbol for the unknown number to represent the problem.²

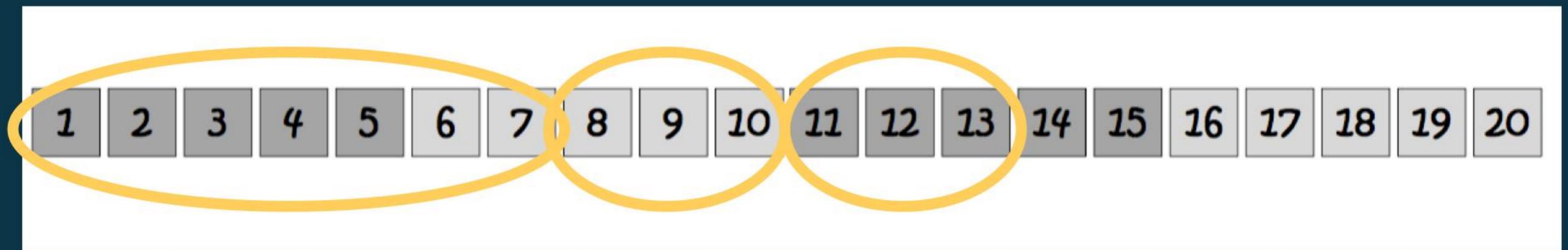
2nd Grade

7. Add and subtract within 1000, using **concrete models** or **drawings** and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a **written method**. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.

Concrete



Representational



Abstract

$$7 + 6$$

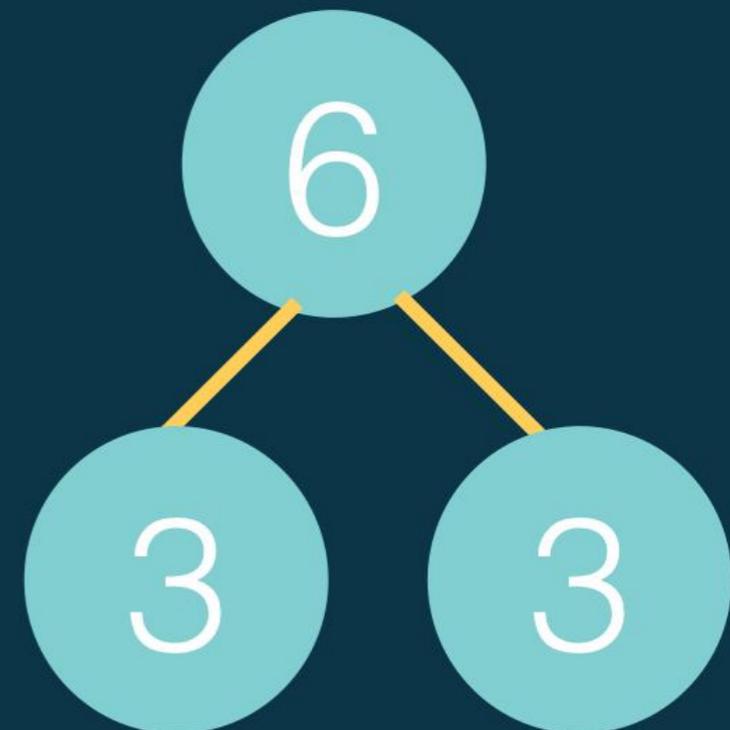
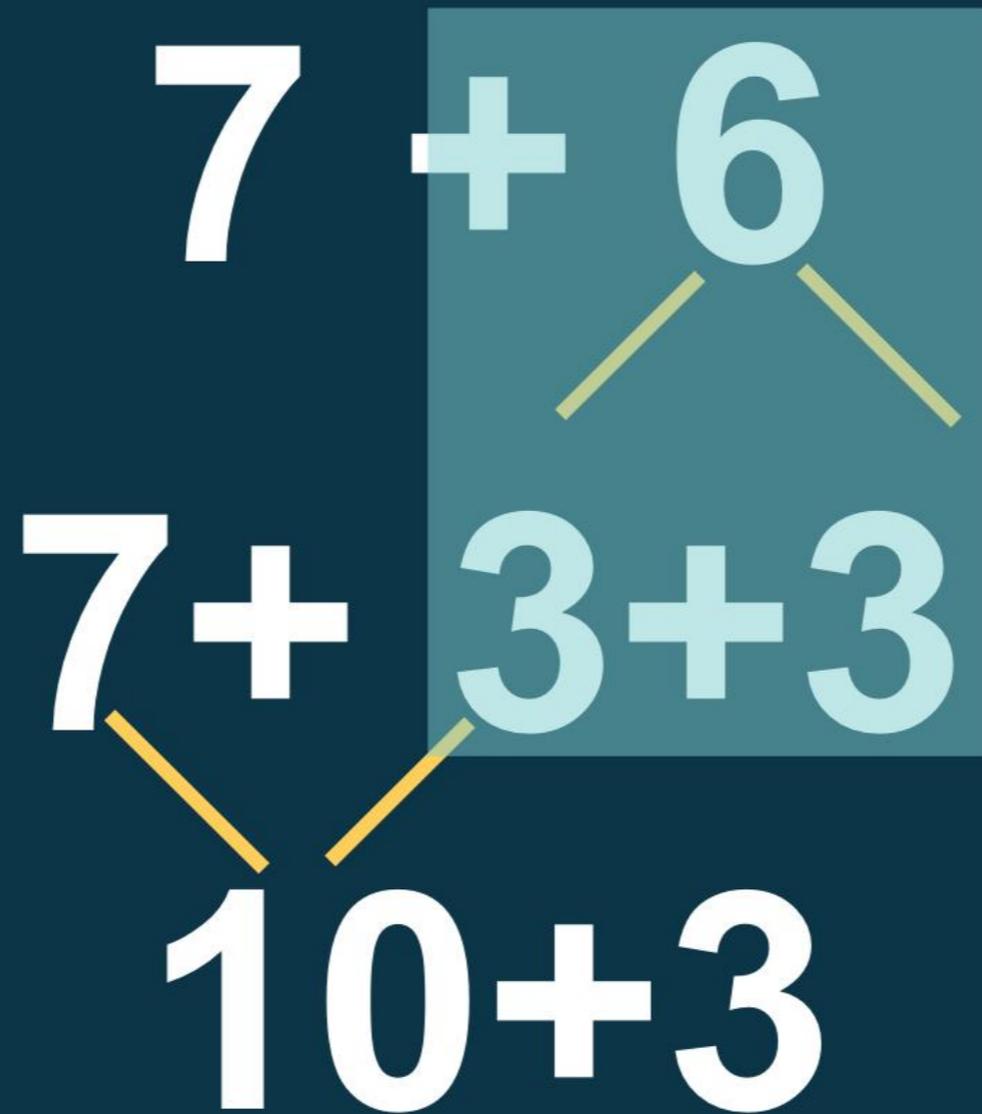


$$7 + 3 + 3$$



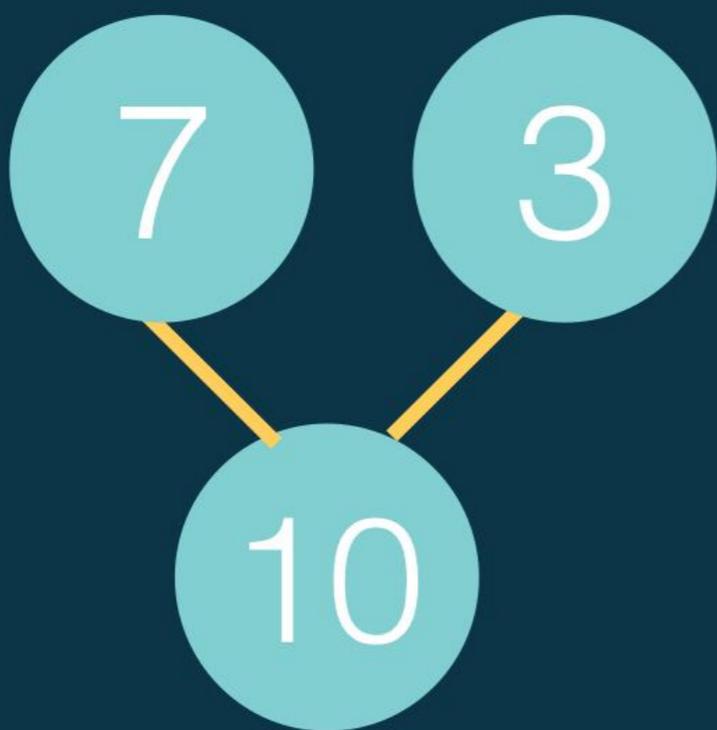
$$10 + 3$$

Number Bonds



Number Bonds

$$7 + 6$$



A diagram illustrating the strategy for solving $7 + 6$. It shows the equation $7 + 3 + 3$ where the 7 and the first 3 are faded. Below this, the equation $10 + 3$ is shown, with the 10 faded. Yellow lines connect the 7 and the first 3 of the top equation to the 10 of the bottom equation, and the second 3 of the top equation to the 3 of the bottom equation. A teal rectangular box highlights the $7 + 3 + 3$ equation and the $10 + 3$ equation.

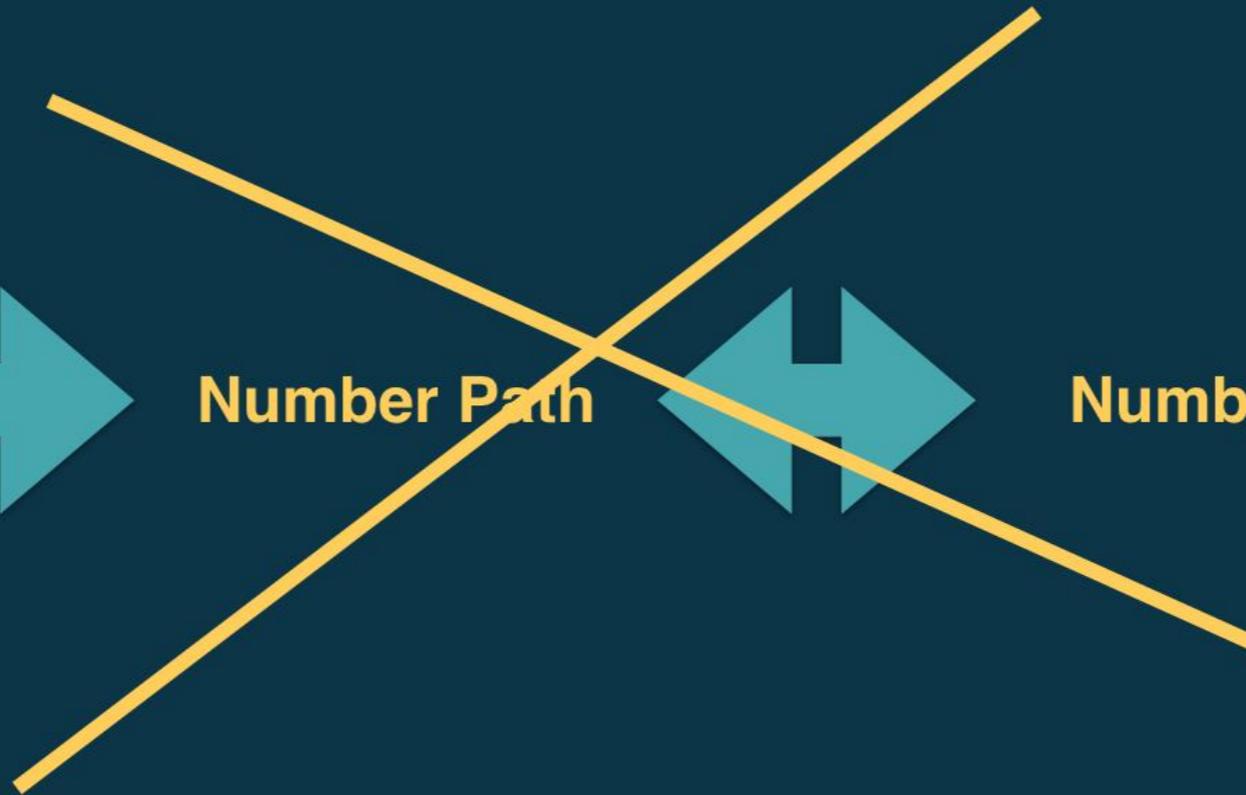
Ten Frame



Number Path

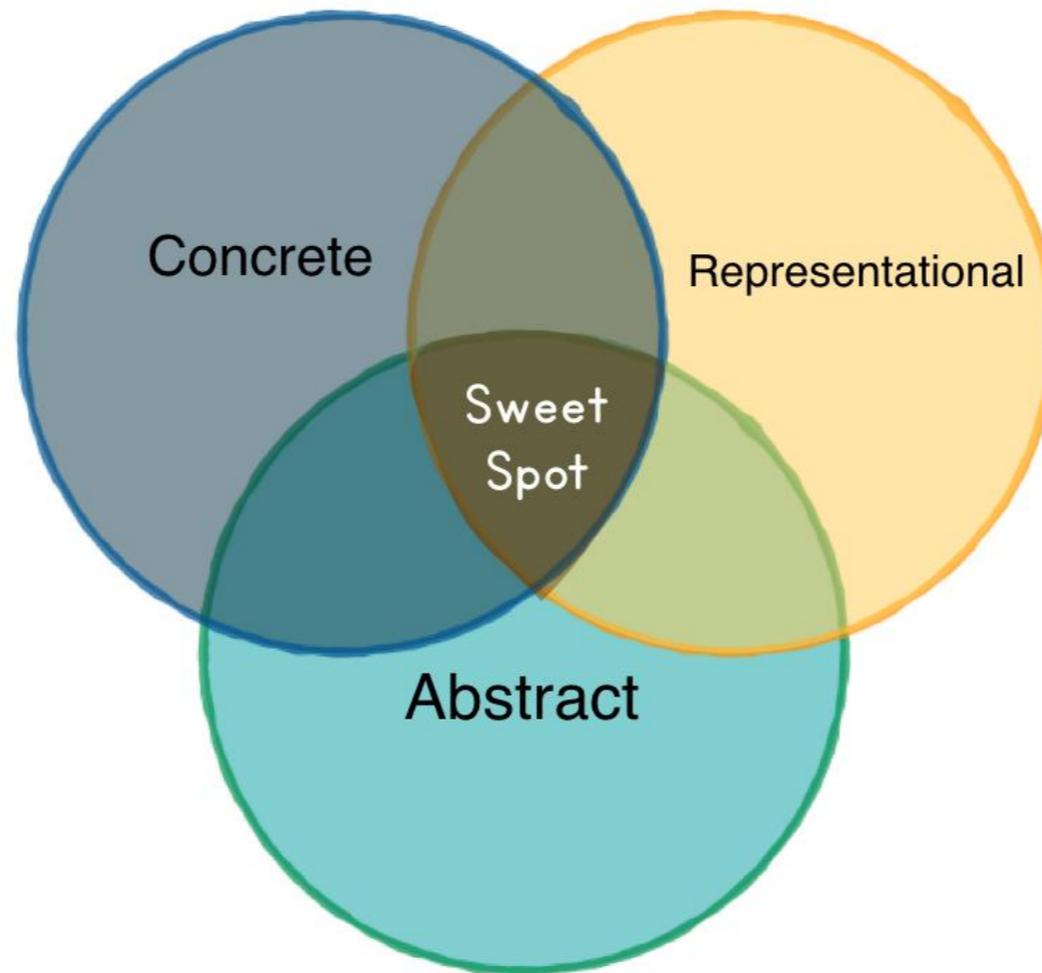


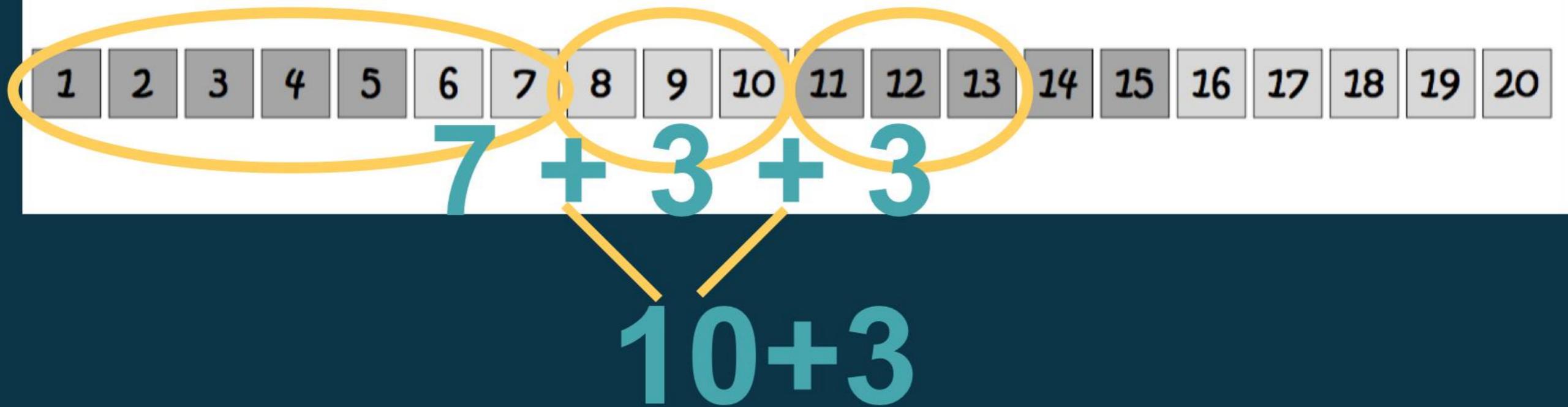
Number Sentence

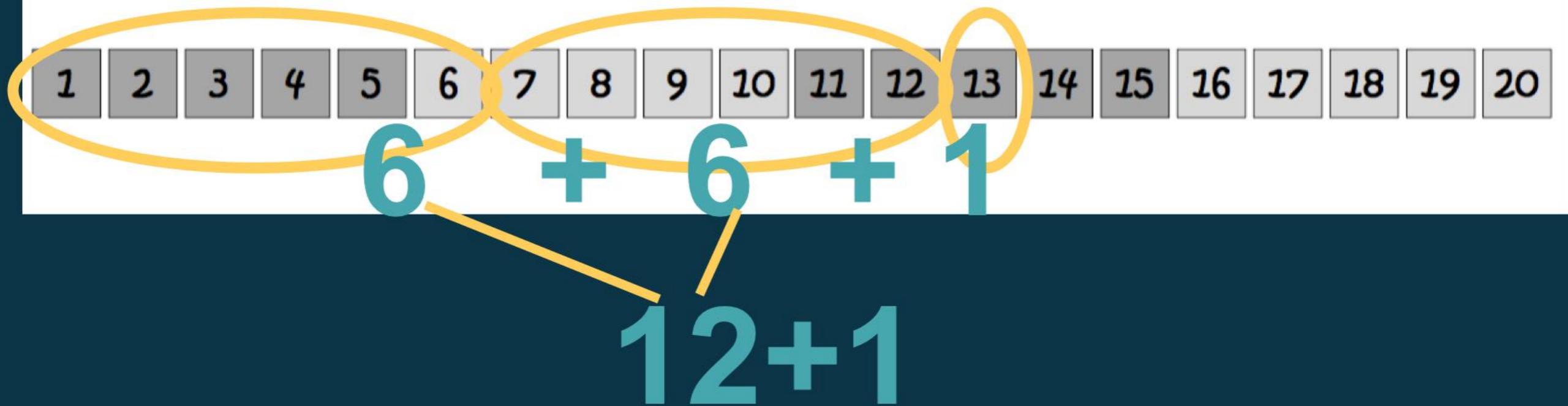


Concrete-Representation-Abstract

Do all 3 in the same activity, not separately







Using C-R-A in Number Talks/Strings

- Might be showing one of these 3*
- Try as much as you can to connect the others together*